

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

- 1 1. (Original) A computer-implemented method of integrated natural
2 resource management comprising:
 - 3 a) storing and managing resource management information associated with
4 defined geographic units in a database, including storing spatial and non-spatial information
5 associated with the defined geographic units;
 - 6 b) preparing resource activity plans based on the resource management
7 information for use in managing a natural resource within the defined geographic units;
 - 8 c) tracking actual results of managing the natural resource according to the
9 resource activity plans for use in updating the resource management information; and
10 d) updating the resource management information based on the tracking of
11 actual results.
- 1 2. (Original) The method of claim 1, wherein preparing resource activity
2 plans further comprises notifying a user when a resource activity plan is affected by updates to
3 the resource management information.
- 1 3. (Amended) The method of claim 1, wherein the resource management
2 information stored further comprises constraint information based on laws and regulations
3 applicable to the defined geographic units and wherein **[the]** said constraint information is relied
4 upon in the preparation of resource activity plans.
- 1 4. (Amended) The method of claim 1, wherein the resource management
2 information stored further comprises constraint information based on customer orders for the
3 natural resource or for products derived from the natural resource and wherein **[the]** said
4 constraint information is relied upon in the preparation of resource activity plans.

1 5. (Original) The method of claim 1, further comprising notifying a user
2 when changes in conditions of the resource management information have an impact on resource
3 activity plans.

1 6. (Original) The method of claim 5, wherein the resource management
2 information stored further comprises feedback from actual results of managing the natural
3 resource according to the resource activity plans.

1 7. (Original) The method of claim 1, wherein preparing resource activity
2 plans further comprises preparing a plan for harvesting the natural resource within the
3 geographic units.

1 8. (Original) The method of claim 7, wherein preparing resource activity
2 plans further comprises preparing a plan for developing infrastructure for use in supporting
3 harvesting the natural resource.

1 9. (Original) The method of claim 7, wherein preparing resource activity
2 plans further comprises preparing a plan for maintaining and deactivating infrastructure for use
3 in supporting harvesting the natural resource.

1 10. (Original) The method of claim 7, wherein preparing resource activity
2 plans further comprises preparing a plan for reclamation of the defined geographic units
3 following the receipt of update information pertaining to the effects of harvesting the natural
4 resource.

1 11. (Original) The method of claim 10, wherein preparing resource activity
2 plans further comprises preparing a silviculture related plan.

1 12. (Original) The method of claim 1, further comprising notifying a user
2 when one or more of the resource activity plans do not comply with constraints set by the
3 resource management information.

1 13. (Original) The method of claim 12, wherein notifying further comprises
2 notifying the user of features of one or more resource activity plans identified as inconsistent
3 with quantitative constraints specified for the defined geographic unit in question by resource
4 attribute information and regulatory constraint information.

1 14. (Original) The method of claim 12, further comprising verifying that the
2 resource activity plans comply with one or more silviculture prescriptions associated with the
3 defined geographic units.

1 15. (Original) The method of claim 14, further comprising verifying that the
2 resource activity plans associated with at least one of the defined geographic units comply with a
3 silviculture prescription associated with the at least one of the defined geographic units,
4 including comparing one or more quantitative constraints in the silviculture prescription with
5 ecological data stored in the database for the at least one of the defined geographic units.

1 16. (Original) A computer-implemented system for integrated natural
2 resource management comprising:

3 a) means for storing and managing resource management information
4 associated with defined geographic units in a database, comprising means for storing spatial
5 information and non-spatial information associated with the defined geographic units;

6 b) means for preparing resource activity plans based on the resource
7 management information for use in managing a natural resource within the defined geographic
8 units;

9 c) means for tracking actual results of managing the natural resource
10 according to the resource activity plans for use in updating the resource management
11 information; and

12 d) means for updating the resource management information based on the
13 tracking of actual results.

1 17. (Original) The system of claim 16, further comprising means for notifying
2 a user when a resource activity plan is affected by updates to the resource management
3 information.

1 18. (Amended) The system of claim 16, wherein the resource management
2 information stored further comprises regulatory constraint information applicable to the defined
3 geographic units and wherein **[the]** said regulatory constraint information is relied upon by the
4 means for preparation of resource activity plans to verify compliance with such regulatory
5 constraint information by such resource activity plans.

1 19. (Amended) The system of claim 16, wherein the resource management
2 information stored further comprises constraint information based on customer orders for the
3 natural resource or for products derived from the natural resource and wherein **[the]** said
4 constraint information is relied upon by the means for preparation of resource activity plans.

1 20. (Original) The system of claim 16, further comprising means for notifying
2 a user when one or more of the resource activity plans do not comply with constraints set by the
3 resource management information.

1 21. (Original) The system of claim 20, where the means for notifying further
2 comprises means for notifying the user of features of one or more resource activity plans
3 identified as inconsistent with quantitative constraints specified for the defined geographic unit
4 in question by resource attribute information and regulatory constraint information.

1 22. (Original) The system of claim 16, wherein the means for preparing
2 resource activity plans further comprises means for preparing a plan for harvesting the natural
3 resource.

1 23. (Original) The system of claim 22, wherein the means for preparing
2 resource activity plans further comprises means for preparing a plan for developing infrastructure
3 elements for use in supporting harvesting of the natural resource.

1 24. (Original) The system of claim 23, wherein the means for preparing
2 resource activity plans further comprises means for preparing a plan for maintaining and
3 deactivating infrastructure elements for use in supporting harvesting the natural resource.

1 25. (Original) The system of claim 22, wherein the means for preparing
2 resource activity plans further comprises means for preparing a plan for post-harvest reclamation
3 of at least one of the defined geographic units.

1 26. (Original) The system of claim 16, wherein the means for preparing
2 resource activity plans further comprises means for preparing a silviculture related plan.

1 27. (Original) A computer-implemented system for integrated natural
2 resource management comprising:

3 a) a resource management information system adapted to store and manage
4 resource management information associated with defined geographic units in a database,
5 including spatial information and non-spatial information associated with the defined geographic
6 units;

7 b) a resource activity planning system adapted to prepare resource activity
8 plans based on the resource management information for use in managing a natural resource
9 within the defined geographic units;

10 c) an actual results tracking system adapted to track actual results of
11 managing the natural resource according to the resource activity plans for use in updating the
12 resource management information; and

13 d) a product inventory management system adapted to store harvested
14 inventory movement results received from the actual results tracking system;

15 wherein the resource management information system is adapted to update the
16 resource management information based on the tracking of actual results by the actual results
17 tracking system.

1 28. (Original) The system of claim 27, further comprising a resource activity
2 management system adapted to provide users with views of the resource activity plans and
3 adapted to compare the resource activity plans with the actual results tracked by the actual results
4 tracking system.

1 29. (Original) The system of claim 28, further comprising a customer tracking
2 system adapted to store and track customer information and requirements including delivery
3 requirements, wherein product inventory movements can be monitored by the product inventory
4 management system to verify that actual product inventory that is in the process of being
5 harvested for delivery will be delivered to customers in accordance with delivery requirements of
6 such customers.